

WHAT IS CLAIMED IS:

1. An element of globe block game for creating a portion of hollow globe-like body, each said element comprising:

5 a plurality of interfaces defining along with a pattern on the hollow globe-like body;

a relatively larger outer face boundary defined by the interfaces; and

a relatively smaller inner face boundary defined by the interfaces.

10 2. An element of globe block game according to claim 1 in which the surface within the relatively larger outer face boundary or the relatively smaller inner face boundary, is further processed by a known printing, engraving, embossing, gluing, laser carving, sand blasting, colored painting or chemical etching method, for creating a known or imaginary geographic information, star chart or picture thereon.

15 3. An element of globe block game according to claim 1 in which the pattern is a plurality of longitude and latitude lines, wherein the longitude and latitude lines having a predetermined dividing (N°).

20 4. An element of globe block game according to claim 3 in which the hollow globe-like body having a predetermined radius (R), a predetermined thickness (T_0), and the relatively larger outer face boundary having a longitude edge (H_1), and the relatively smaller inner face boundary having a longitude edge (H_2), which are determined by :

$$H_1 = (2 \pi R) (N^\circ) \div (360^\circ);$$

$$H_2 = (2 \pi) (R - T_0) (N^\circ) \div (360^\circ).$$

25 5. An element of globe block game according to claim 3 in which the hollow globe-like body having a predetermined radius (R), a predetermined

thickness (**T0**), and the relatively larger outer face boundary having a latitude edge (**L1s**) at a latitude that equals to the predetermined dividing (**N°**) multiplied by a predetermined number (**S**), and the relatively smaller inner face boundary having a latitude edge (**L2s**) at a latitude that equals to
5 the predetermined dividing (**N°**) multiplied by the predetermined number (**S**), wherein the latitude edges are determined by:

$$\mathbf{L1s} = (2\pi)(\mathbf{R})(\cosine(\mathbf{S} \cdot \mathbf{N}^{\circ}))(\mathbf{N}^{\circ}) \div (360^{\circ}) ; \text{及}$$

$$\mathbf{L2s} = (2\pi)(\mathbf{R}-\mathbf{T0})(\cosine(\mathbf{S} \cdot \mathbf{N}^{\circ}))(\mathbf{N}^{\circ}) \div (360^{\circ}).$$

6. An element of globe block game according to claim 3 in which the
10 predetermined dividing (**N°**) is selectively ranged from **1°** to **30°**, so that is referable to a known world atlas with the longitude and latitude lines which having a dividing as same as the predetermined dividing (**N°**).

7. An element of globe block game according to claim 3 in which the predetermined dividing (**N°**) is **5°**, so that is referable to a known world atlas
15 with the longitude and latitude lines which having a dividing as same as the predetermined dividing (**N°**).

8. An element of globe block game according to claim 3 in which the predetermined dividing (**N°**) is **10°**, so that is referable to a known world atlas with the longitude and latitude lines which having a dividing as same as
20 the predetermined dividing (**N°**).

9. An element of globe block game according to claim 3 in which the predetermined dividing (**N°**) is **15°**, so that is referable to a known world atlas with the longitude and latitude lines which having a dividing as same as the predetermined dividing (**N°**).

10. An element of globe block game according to claim 1, further comprising a known connector disposed on the interfaces for connecting the element.

11. An element of globe block game according to claim 10, wherein the 5 known connector is a layer of adhesive material.

12. An element of globe block game according to claim 10, wherein the connector is a part of a known male/female connectors.

13. An element of globe block game according to claim 10, wherein the connector is a part of a known magnetic coupling elements.

10 14. An element of globe block game according to claim 1, wherein the face between the relatively larger outer face boundary further comprising a connector for connecting an extra geographic item, celestial information or picture item.

15 15. An element of globe block game according to claim 1, wherein the element is using to create a portion of the globe-like body for combined with a portion of a book shelf, so as to provide a function of globe block game to the bookshelf.

16. An element of globe block game according to claim 1, wherein the element is using to create a portion of the globe-like body for combined with 20 a game table or a board.

17. An element of globe block game for creating a portion of hollow globe-like body, each said element is a shell-like body comprising:
a plurality of interfaces defining along with a pattern on the hollow globe-like body;

25 a relatively larger outer face boundary defined by the interfaces; and

a relatively smaller inner face boundary defined by the interfaces.

18. An element of globe block game according to claim 17, in which the shell-like body is made from a plastic, metal, cloth, leather, wooden, paper or any combination layers therebetween; wherein the surface between the 5 relatively larger outer face boundary or the relatively smaller inner face boundary, is further processed by a known printing, engraving, embossing, gluing, laser carving, sand blasting, colored painting or chemical etching methods, for creating a known or imaginary geographic information, star chart or picture thereon.

10 19. An element of globe block game according to claim 17, in which the hollow globe-like body having a predetermined radius (**R**), a predetermined thickness (**T0**), and the relatively larger outer face boundary having a longitude edge (**H1**), and the relatively smaller inner face boundary having a longitude edge (**H2**), which are determined by :

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$$H1 = (2 \pi R) (N^\circ) \div (360^\circ);$$

$$H2 = (2 \pi) (R-T0) (N^\circ) \div (360^\circ).$$

20 20. An element of globe block game according to claim 17, in which the hollow globe-like body having a predetermined radius (**R**), a predetermined thickness (**T0**), and the relatively larger outer face boundary having a latitude edge (**L1s**) at a latitude that equals to the predetermined dividing (N°) multiplied by a predetermined number (S), and the relatively smaller inner face boundary having a latitude edge (**L2s**) at a latitude that equals to the predetermined dividing (N°) multiplied by the predetermined number (S), wherein the latitude edges are determined by:

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$$L1s = (2 \pi) (R) (\cosine(S \cdot N^\circ)) (N^\circ) \div (360^\circ); \text{ 及}$$

$$L2s = (2 \pi) (R-T0) (\cosine(S \cdot N^\circ)) (N^\circ) \div (360^\circ).$$